

SF US DECELL TRUST

KNEE PROTECTION

ELECTRONICS PROTECTION

HAND PROTECTION

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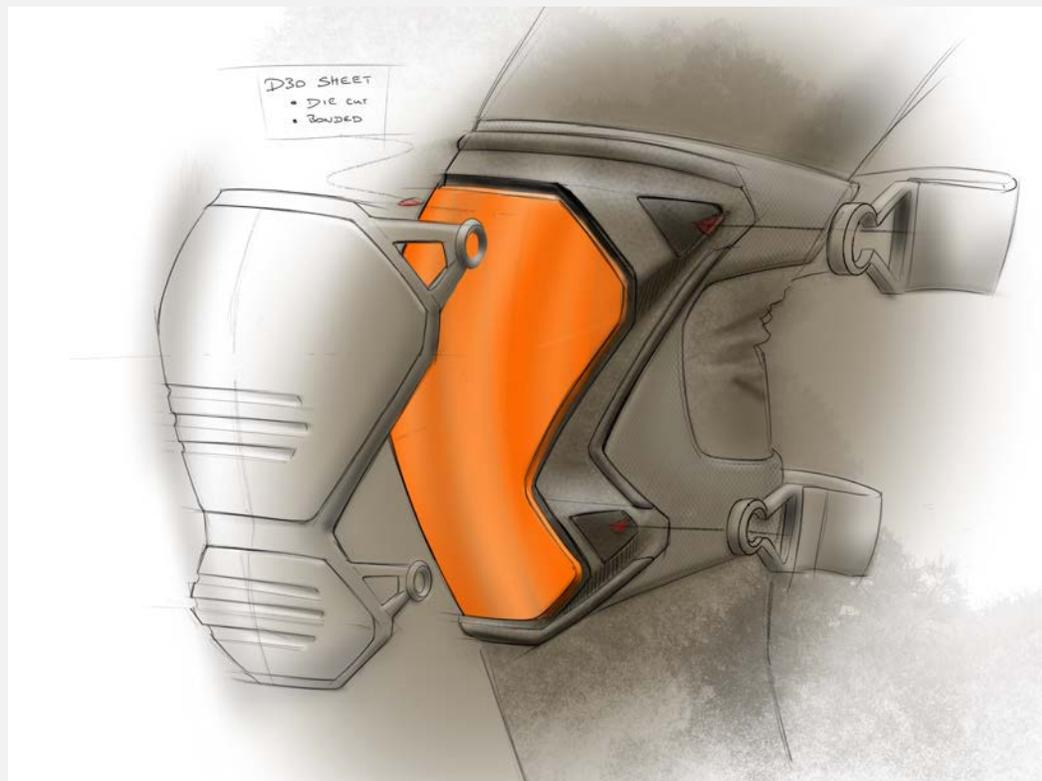
SF US DECELL TRUST

D3O[®] US Decell TRUST is available for simple integration of D3O[®] patented technology into product ranges.

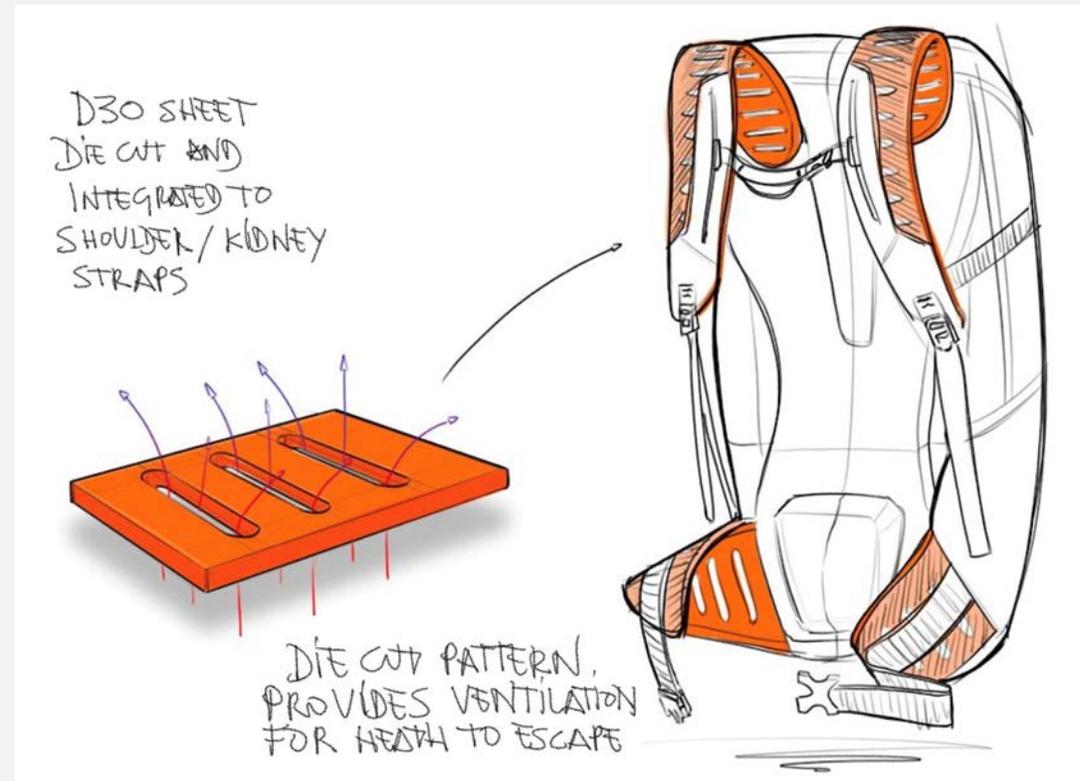
- Lightweight, soft, comfortable and versatile material
- Suitable for padding and cushioning
- Berry Compliant
- Frequently used for helmet liners and knee protectors
- Enhances performance without the need for custom development
- Skived formats make it suitable for adhesion and lamination.
- Available in a range of thicknesses



SF US DECELL TRUST SUGGESTED APPLICATIONS



KNEE PROTECTION



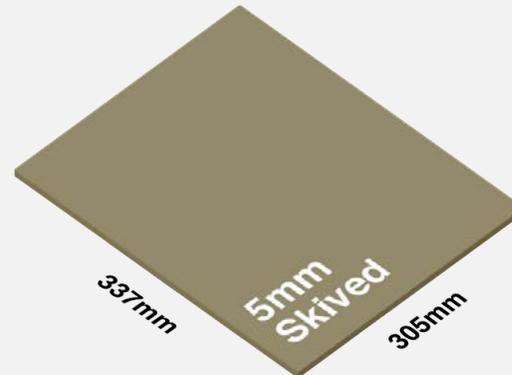
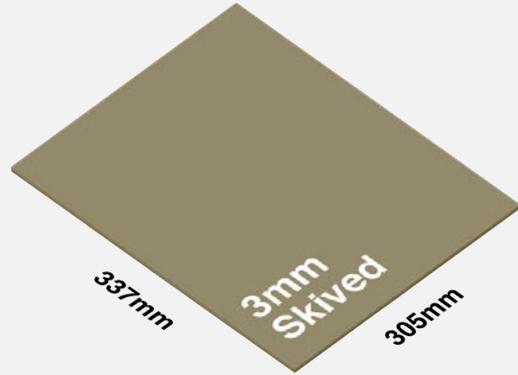
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SF US DECELL TRUST SUGGESTED APPLICATIONS



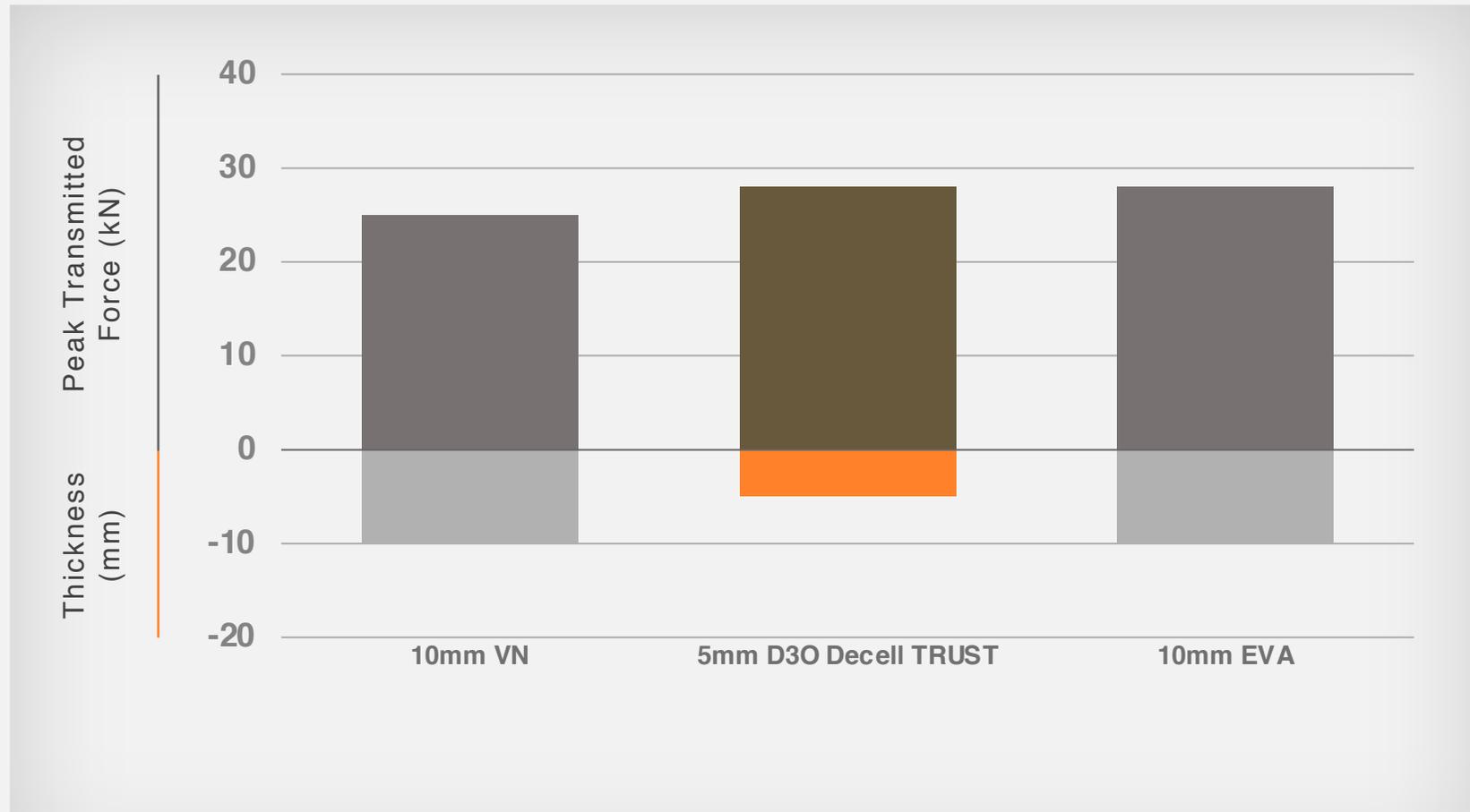
(Added protection for breaching operations.)

SF US DECELL TRUST AVAILABLE THICKNESSES



N.B. Thickness can be tailored for the needs of the application between 2mm and 20mm+.

SF US DECELL TRUST IMPACT PROTECTION



Impact Energy: 10J
The lower the Peak Transmitted Force, the higher the impact protection

*When tested at 2.5J, 2mm D30 Decell TRUST sheet achieved 27.5kN Transmitted Force

SF US DECELL TRUST PROPERTIES

| Product Name | Units | Method Reference | US Decell TRUST Skived 3mm Sheet - 305 x 584 | US Decell TRUST Skived 5mm Sheet - 305 x 584 |
|--|-------------------|------------------------|--|--|
| Product Code | - | - | 14309 | 14310 |
| Colour | - | - | Tan 499 | Tan 499 |
| Dimensions | mm | - | 305 x 584 | 305 x 584 |
| Thickness | mm | - | 3 | 5 |
| Weight | g | - | 85.5 | 142 |
| Material Code | - | - | SF019 | SF019 |
| Material Type | - | - | Set Foam | Set Foam |
| Hardness | Shore 00 | ASTM D2240 - 05 (2010) | | 69 |
| Density | g/cm ³ | ISO 845: 2009 | | 0.35 |
| Material Tensile Strength | N/mm ² | ISO 1798:2008 | | 1.3 |
| Material Elongation at Break | % | ISO 1798:2008 | | 210.8 |
| Material Split Tear Strength | N/mm | SATRA TM65 | | 1 |
| Material Flexural Modulus | MPa | DTS052 | | 1.3 |
| Material Tensile Modulus | MPa | DTS061 | | 0.86 |
| Material Deceleration (4.5J) | g | DTS002-2 | | 17.1 |
| Material Compression Set | % | DTS005 | | 8 |
| Material Accelerated ageing (heat) | % | BS EN ISO 2440:2000 | | 11.6 |
| Material Accelerated ageing (humidity) | % | BS EN ISO 2440:2000 | | 74.4 |



FS 635493

FURTHER INFORMATION

For full details including material properties and product tolerances, please request SOQ document from a Delta Three Oscar representative. The information provided is not intended to and does not create any warranties, expressed or implied, including any warranty of merchantability or fitness for a particular purpose. This data sheet shall not be reproduced or amended without the written consent of Design Blue Limited.

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